

WHAT IS CLAIMED IS:

1. A disk array system connectable to a host, comprising:

a plurality of hard disk drives;

an input/output control portion for controlling data input/output between said host and said hard disk drives;

a plurality of paths for connecting said hard disk drives and said input/output control portion; and

modules each accommodating a predetermined number of said hard disk drives;

wherein, when a number of said hard disk drives is increased or decreased, said disk array system displays other hard disk drives or modules connected to paths different from a path connected to said hard disk drives to be increased or decreased.

2. The disk array system according to claim 1, wherein, when a group constituted by said predetermined number of hard disk drives is increased, other hard disk drives connected to paths different from a path connected to the selected hard disk drives among hard disk drives not used are displayed.

3. The disk array system according to claim 2, wherein a plurality of hard disk drives constituting said group are set as hard disk drives distributedly connected to a plurality of paths.

4. The disk array system according to claim 3, wherein said modules accommodating a plurality of hard

disk drives constituting said group are also distributed to a plurality of modules.

5. The disk array system according to claim 1, wherein, when the number of said hard disk drives is decreased in said group constituted by said predetermined number of hard disk drives, other hard disk drives connected to paths different from a path connected to said selected hard disk drives are displayed.

6. The disk array system according to claim 5, wherein a plurality of hard disk drives not used are distributed to hard disk drives connected to a plurality of paths based on said display.

7. A disk array system connectable to a host, comprising:

- a plurality of hard disk drives;
- an input/output control portion for controlling data input/output between said host and said hard disk drives;
- a plurality of paths for connecting said hard disk drives and said input/output control portion; and
- modules each accommodating a predetermined number of said hard disk drives;

wherein, when a number of said hard disk drives is increased or decreased, said disk array system displays other hard disk drives accommodated in modules different from said module accommodating said hard disk drives to be increased or decreased.

8. The disk array system according to claim 7, wherein, when a group constituted by said predetermined number of hard disk drives is increased, among hard disk drives not used, other hard disk drives accommodated in modules different from a module accommodating a selected hard disk drive are displayed.

9. The disk array system according to claim 8, wherein a plurality of hard disk drives constituting said group are set as hard disk drives distributedly accommodated in a plurality of modules.

10. The disk array system according to claim 7, wherein, when a number of said hard disk drives is decreased in said group constituted by said predetermined number of hard disk drives, other hard disk drives accommodated in modules different from a module accommodating a selected hard disk drives are displayed.

11. The disk array system according to claim 10, wherein a plurality of hard disk drives not used are distributed to the hard disk drives accommodated in a plurality of modules based on said display.

12. The disk array system according to claim 1, wherein, when the number of said hard disk drives is increased by changing an RAID level of the RAID group constituted by said predetermined number of hard disk drives or a number of hard disk drives forming said RAID group, said disk array system displays a view for designating an RAID level after the change and a number

of hard disk drives forming the RAID level after the change, and displays said hard disk drives as an object of the increase so that a number of usable hard disk drives or distribution of paths connected to said hard disk drives to be used attains maximum.

13. The disk array system according to claim 1, wherein, when a number of said hard disk drives is decreased by changing an RAID level of the RAID group constituted by said predetermined number of hard disk drives or a number of hard disk drives forming said RAID group, said disk array system displays a view for designating an RAID level after the change and a number of hard disk drives forming the RAID level after the change, and displays said hard disk drives connected to a path having a smallest number of connections among a plurality of paths connected to hard disk drives not used as an object of the decrease.

14. The disk array system according to claim 1, wherein, when the number of said hard disk drives is decreased by changing an RAID level of an RAID group constituted by said predetermined number of hard disk drives or a number of hard disk drives forming said RAID group, said disk array system displays a view for designating an RAID level after the change and a number of hard disk drives forming an RAID level after the change, and displays hard disk drives as an object of the decrease so that kinds of paths connected to said hard disk drives forming said RAID group attain

maximum.

15. A disk array system connectable to a host, comprising:

a plurality of hard disk drives;

an input/output control portion for controlling data input/output between said host and said hard disk drives;

a plurality of paths for connecting said hard disk drives and said input/output control portion; and

modules each accommodating a predetermined number of said hard disk drives;

wherein:

when a number of said hard disk drives is increased or decreased, said disk array system displays other hard disk drives accommodated in modules different from a module accommodating said hard disk drives to be increased or decreased,

when a group constituted by said predetermined number of hard disk drives is increased, among hard disk drives not used, hard disk drives not used accommodated in modules different from a module accommodating a selected hard disk drives are displayed, and

when the number of said hard disk drives is decreased in said group constituted by said predetermined number of hard disk drives, other hard disk drives accommodated in modules different from a module accommodating a selected hard disk drive are

displayed.